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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference SP00-191	FOR FURTHER ACTION	R ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No.	International filing date (day/m	onth/year)	Priority date (day/month/year)
PCT/US00/18798	10 JULY 2000		22 JULY 1999
International Patent Classification (IPC) IPC(7): G21K 5/00; C23C 14/02; C23	or national classification and IPC 3C 28/00 and US Cl.: 378/34	2	
Applicant CORNING INCORPORATED			
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.  2. This REPORT consists of a total of			
Deve of submission of the demand	Date	e of completi	on of this report

Date of submission of the demand	Date of completion of this report	
12 JANUARY 2001	16 FEBRUARY 2001	
Name and mailing address of the IPEA/US  Commissioner of Patents and Trademarks Box PCT  Washington, D.C. 20231	Authorized officer  IRAKLI KIKNADZE  Telephone No. (703) 305-6464	
Facsimile No. (703) 305-3230	1 Clephone 110. (103) 303-0404	

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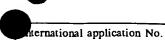


<u>.</u> 1	ernational	application	No.	

PCT/US00/18798

I. Ba	sis of the	report		
1. With	regard to the	he elements of the internat	ional application:*	
		ational application as		
믕	the descri	iption:		
x	pages			
	pages	NONE		, filed with the demand
	pages	NONE	, filed with the letter of	
	the claim	ie.		
X	pages	10.05		, as originally filed
	pages		, as amended (together with a	
	pages			, filed with the demand
	pages		, filed with the letter of	
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	pages _			, filed with the demand
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$\mathbf{x}$	the seque	nce listing part of the d	escription:	
ت	pages	NONE		, as originally filed
	nages	NONE		, filed with the demand
	pages	NONE	, filed with the letter of	
	the langu	age of a translation fur age of publication of t	nless otherwise indicated under this item.  ed to this Authority in the following language  mished for the purposes of international sear  the international application (under Rule 48.3  ished for the purposes of international preliminar	ch (under Rule 23.1(b)). 3(b)).
3. Wi	th regard to eliminary e	o any <b>nucleotide and/o</b> examination was carried	amino acid sequence disclosed in the interna- out on the basis of the sequence listing:	tional application, the international
	contained	d in the international a	oplication in printed form.	
			onal application in computer readable form.	
			Authority in written form.	
		· · · · · · · · · · · · · · · · · · ·	Authority in computer readable form.	
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.			
	The stater	ment that the information	recorded in computer readable form is identical	to the writen sequence listing has
	been furn		in the cancellation of:	
4. X			NONE	
	₩	description, pages	NONE	
		e claims, Nos.	NONE	
		e drawings, sheets/fig		as they have been considered to go
5	This repo	ort has been drawn as if (s	ome of) the amendments had not been made, sind	**
in i	placement sh this report of ! 70.17).	neets which have been furni as "originally filed" and	indicated in the Supplemental Box (Rule 70.2(c)). shed to the receiving Office in response to an invital are not annexed to this report since they do not	tion under Article 14 are referred to contain amendments (Rules 70.16
**An	y replaceme	ent sheet containing such	amendments must be referred to under item 1 a	nd annexed to this report.





INTERNATIONAL PRELIMINARY EXAMINATION REPORT PCT/US00/18798 V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. statement Claims 1-43 Novelty (N) YES NONE Claims Inventive Step (IS) Claims 1-43 YES NONE Claims NO Claims 1-43 YES Industrial Applicability (IA) NONE Claims \_\_\_\_\_ NO 2. citations and explanations (Rule 70.7) Claims 1-43 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest the projection lithographic method providing an illumination sub-system for producing and directing an extreme ultraviolet soft x-ray radiation  $\lambda$  from an extreme ultraviolet soft x-ray source. The method includes a projection sub-system which includes a Ti doped high purity SiO2 glass lithography elements. ----- NEW CITATIONS -----NONE

Form PCT/ISA/210 (second sheet) (July 1998)\*

A CTA	CCUTTO A MICHAEL CO. LOCAL				
IPC(7)					
	US CL: 378/34 According to International Patent Classification (IPC) or to both national classification and IPC				
	LDS SEARCHED				
Minimum d	ocumentation searched (classification system follow	red by classification symbols)			
U.S. :	378/34, 250/490, 430/198				
Documentat NONE	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE				
	Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPTO APS EAST				
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	appropriate, of the relevant passages	Relevant to claim No.		
A	US 4,184,078 A (NAGEL et al.) 15 Abstract, Figs. 1-2, and column 2, li	5 January 1980 (15.01.1980), ne 18-30.	1-32		
A	US 5,686,728 A (SHAFER) 11 Nove 1, column 1, line 43, and column 3,	1-32			
A	EP 0349925 A1 (TURWITT et al.) 1 Abstact.	1-32, 39-43			
A	US 4,732, 838 A (SECHI et al.) 2 Abstract.	2 March 1988 (22.03.1988),	33-38		
	·				
Furthe	er documents are listed in the continuation of Box C	See patent family annex.	·		
Special categories of cited documents:		"T" later document published after the inter	national filing date or priority		
A* document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the applicate principle or theory underlying the investment of the conflict with the application of the conflict with the co	ntion but cited to understand the		
E* earlier document published on or after the international filing date		"X" document of particular relevance; the considered novel or cannot be considered	claimed invention cannot be ed to involve an inventive step		
cited	ment which may throw doubts on priority claim(s) or which is to establish the publication date of another citation or other	"Y" document of particular relevance: the	alaimed immedia		
or document referring to an oral disclosure, use, exhibition or other means		considered to involve an inventive combined with one or more other such being obvious to a person skilled in the	step when the document is documents, such combination		
P" documents the p	mem published prior to the international filing date but later than priority date claimed	"&" document member of the same patent i	amily		
Date of the ac	ctual completion of the international search	Date of mailing of the international sear	ch report		
11 SEPTEN	MBER 2000	17 OCT 200	00		
Name and ma	ailing address of the ISA/US	Authorized officer			
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